

LUBRICANT AND MAGNETIC RECORDING MEDIUM

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Abstract

PURPOSE: To provide a lubricant that will be used for magnetic recording mediums, exhibits excellent lubricity for a long period of time under various use conditions and is excellent in running properties, abrasion resistance, and durability by choosing a specified compound.

CONSTITUTION: This lubricant comprises a phosphazene group-containing perfluoropolyether having the given formula wherein Rf denotes a perfluoropolyether group and preferably a monofunctional perfluoropolyether group represented by the formula $F(CF_2 CF_2 CF_2 O)_r CF_2 CF_2 -$, $CF_3 (OCF(CF_3) CF_2)_m -(OCF_2)_l -$, or $F(CF(CF_3)CF_2 O)_k CF_2$ wherein (r), (m), (l), and (k) are each 1 or more or a polyfunctional perfluoropolyether group represented by the formula $-(OC_2 F_4)_p (OCF_2)_q$ wherein p and (q) each represent (r), R denotes a hydrocarbon group preferably having 10 or more carbon atoms, and (n) is 1 to 6.

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